marantz®

# Models CD 36/CD 46 User Guide

Compact Disc player

**ENGLISH:**

***CAUTION!***

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposre.

**FINNISH:**

***VAROITUS!***

Laittaan käyttäminen muulla kuin tassä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttajen turvallisuusluokan 1 ylittävuälle näkymättömäile lasersäteilylle.

**SWEDISH:**

***VARNING!***

Om apparaten använda päannat sätt än vad som beskrivs i denne bruksanvisning kan användaren utsättas för osynlig laserstrålning som overskrider gränsen för laseklass 1.

**CLASS 1 LASER PRODUCT**
**LUOKAN 1 LASERLAITE**
**KLASS 1 LASERAPPARAT**

COMPACT disc DIGITAL AUDIO

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***WARNINGS***

- Do not expose the equipment to rain or moisture.
- Do not remove the cover from the equipment.
- Do not insert anything into the equipment through the ventilation holes.
- Do not handle the mains lead with wet hands.

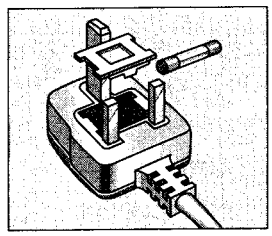
***COPYRIGHT***

Recording and playback of some material may require permission. For further information refer to the following:

- Copyright Act 1956;
- Dramatic and Musical Performers Act 1958;
- Performers Protection Acts 1963 and 1972;
- Any subsequent statuory enactments and orders.

*Recording is permissible insofar as copyright or other rights of third parties are not infringed.*

## FITTING A MAINS PLUG *(U.K. only)*



This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- Remove fuse cover and fuse.
- Fix new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
- Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of **5A**. If a plug without a fuse is used, the fuse at the distribution board should not be greater than **5A**.

***NOTE***

*The severed plug must be disposed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.*

### *HOW TO CONNECT A PLUG*

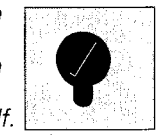
The wires in the mains lead are coloured in accor dance with the following code:
BLUE – "NEUTRAL" ("N") and BROWN – "LIVE" ("L").
As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
- The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
- Do *not* connect either wires to the earth terminal in the plug which is marked by the letter "E" or by the safety earth symbol or coloured green or green-and-yellow.

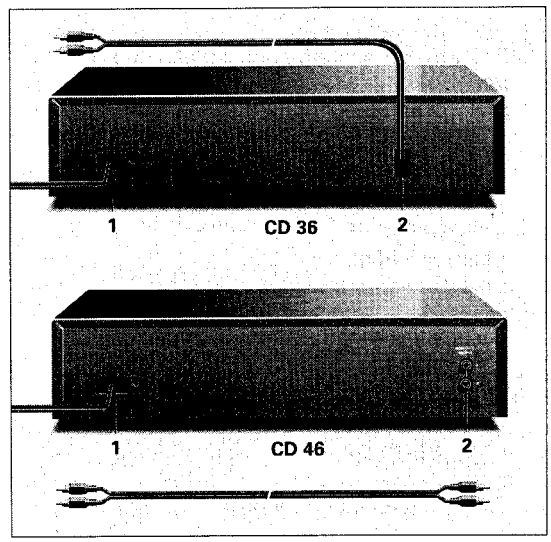
Before replacing the plug cover, make certain that the cordgrip is clamped over the sheath of the lead – not simply over the two wires.

## POWER SUPPLY SETTING

- Check that the type plate at the bottom of your player indicates the correct supply voltage.
- If your mains supply voltage is different, consult your dealer or our Service Organisation.
- *Certain versions of this player are equipped with a voltage selector at the bottom of the player which enables you to set the player to the correct mains voltage yourself.*
  *Position 120 V: for all mains voltages between 110V and 127 V.*
  *Position 230 V: for all mains voltages between 220V and 240 V.*



## CONNECTIONS




**1 Mains connection**

- Connect the mains lead to your mains supply.

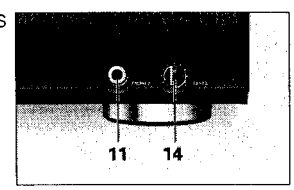
**2 ANALOGUE OUT**

Connecting cable to the amplifier

- Insert a red plug into the 'R' socket and the other plug into the the 'L' socket ***(CD 46 only)***.
- Insert the two other plugs into the corresponding sockets of the CD or AUX input of your amplifier.
  You can also use the TUNER or TAPE IN-connection, but ***never*** the PHONO input!

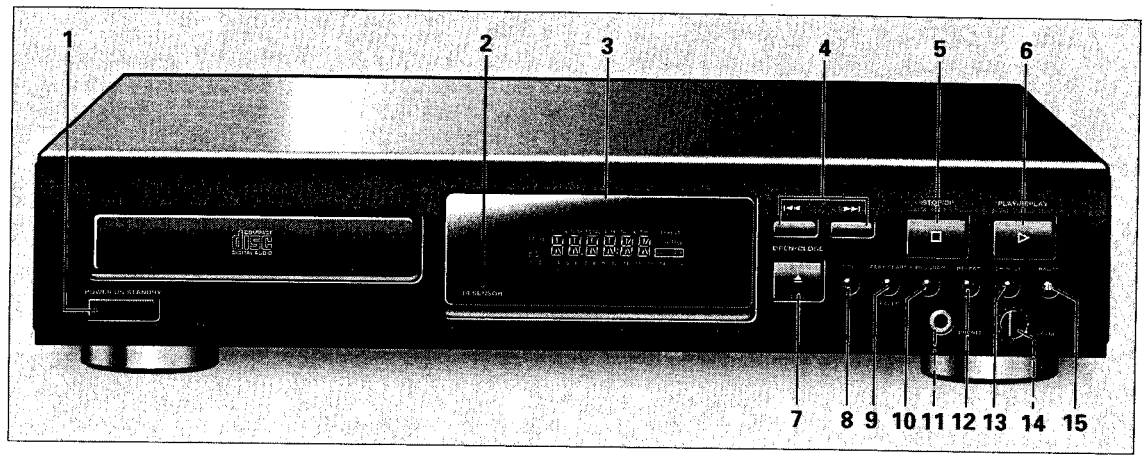
## CONNECTING HEADPHONES *(CD 46 only)*

- Connect headphones with a 6.3 mm jack plug to the PHONES socket ***11***.
- The sound level is adjusted with the LEVEL control ***14***.



# (GB) FUNCTIONAL OVERVIEW

English




## FRONT OF PLAYER

1 **POWER ON/STANDBY** – Switching on and off.

2 **I**(nfra) **R**(ed) **SENSOR**
Receives the signals from the remote control.

3 **Display** – Informs you about the functioning of the player.

4 ⏮ and ⏭
- Selecting another track.
- Selecting a track to start play with.
- Fast search to a particular passage during play.

5 **STOP/CP**
- Stopping play.
- Erasing a programme (CP = Clear Programme).

6 **PLAY/REPLAY**
- Starting play.
- Returning to the beginning of a track.

7 **OPEN/CLOSE** – Opening and closing the CD compartment. The compartment also closes when the front is pressed briefly.

8 **TIME** – Selecting the time information you want to see.

9 **PEAK SEARCH** – Searching the loudest passage (peak) on a CD or in a programme when making a tape recording.
**FADER** – Fading in and out during play.

10 **PROGRAM**
- Opening the memory when compiling a programme.
- Storing tracks in a programme.

11 **PHONES** ***(CD 46 only)***
Connecting headphones.

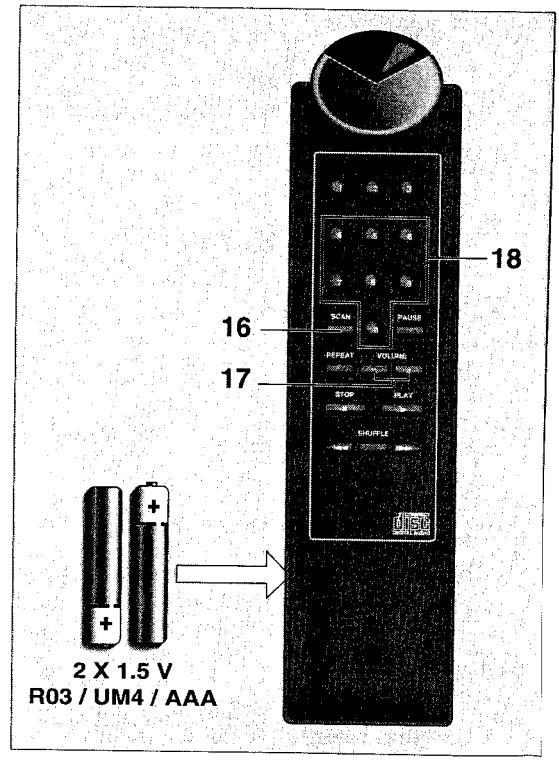
12 **REPEAT** – Repeating play.

13 **SHUFFLE** – Playback in random order.

14 **LEVEL** ***(CD 46 only)*** – Adjusting the volume when listening with headphones.

15 **PAUSE** – Interrupting play.

## REMOTE CONTROL



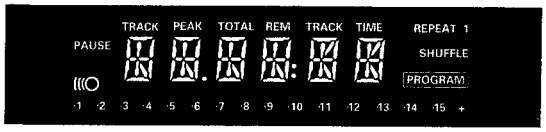

- The life of the batteries of the remote control is around one year. For replacement only use batteries of the type RO3, UM4 or AAA.
- The buttons on the remote control have the same functions as the corresponding ones on the player.
- Extra buttons:

16 **SCAN** – Automatically playing the beginning of each track.

17 **– VOLUME +** – Adjusting the sound level when the player is connected to an amplifier or HiFi system without its own remote control.

**18 1-0 digit keys**
- Selecting another track.
- Selecting a track to start play with.

## DISPLAY



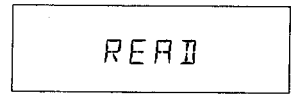

**PAUSE**
Lights up when play is interrupted.
(((O
Lights up when the player receives a command from the remote control.
**TRACK** – Indicates:
- what track is being played;
- the number of tracks on the CD or in a programme.

**PEAK**
- Flashes when the loudest passage (peak) on a CD or in a programme is being searched.
- Lights up when the loudest passage (peak) has been found.

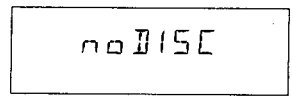
**TRACK TIME**
Indicates the elapsed playing time of the track being played.
**REM**(aining) **TRACK TIME**
Indicates the remaining playing time of the track being played.
**TOTAL REM**(aining) **TIME**
Indicates the remaining playing time of the CD or a programme.
**TOTAL TIME**
Indicates the total playing time of the CD or a programme.
**REPEAT**
Lights up when you repeat a CD or a programme.
**REPEAT 1**
Lights up when you repeat a track.
**SHUFFLE**
Lights up when the tracks are played in random order.
PROGRAM
- Flashes when a programme is being compiled.
- Lights up when a programme has been stored in the player memory.

**1-15 track number indicator**
Shows the number of tracks on the CD.
**+**
Lights up when there are more than 15 tracks on the CD.

## DISPLAY MESSAGES

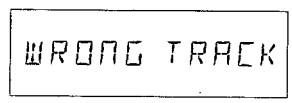



Lights up when the CD's contents list is being scanned.

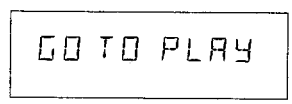



Lights up when there is no CD in the CD compartment.

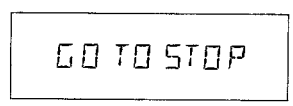
Scrolls on the display when insert a non audio CD (CD-ROM, CD-I or CDV).




Scrolls on the display if you select a non-existent track number.




Scrolls on the display if you try to activate a function for which you must first start play.




Scrolls on the display if you try to activate a function for which you must first stop play.

English

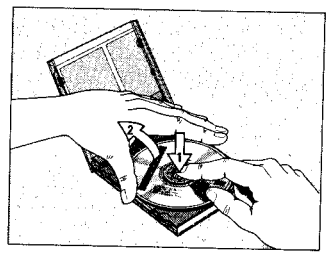
## NORMAL PLAYBACK (PLAY/REPLAY)

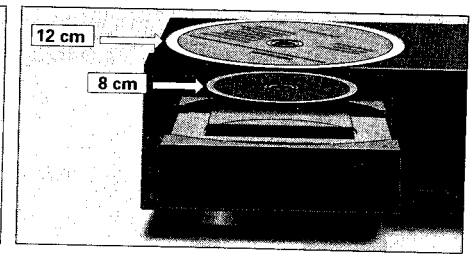
***NOTE!*** *Use only audio CDs; no CD-ROM, CD- I or CDV.*

- Press POWER ON/STANDBY ***1*** to switch the player on.
- Open the CD compartment by pressing OPEN/CLOSE ***7***.

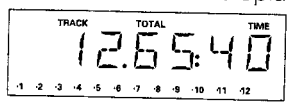
– *OPEN* lights up.

- Insert an audio CD, ***printed side up***, and close the compartment by pressing OPEN/CLOSE ***7***.



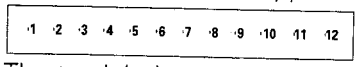


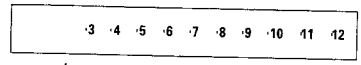

– *CLOSE* lights up, followed by *READ*. The number of tracks and the playing time of the CD are shown on the display.



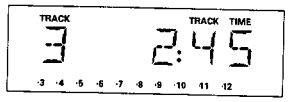

- Press PLAY/REPLAY ***6*** to start play.
  You can also press PLAY/REPLAY immediately after inserting the CD; the compartment then closes automatically.
  You can also close the CD compartment by pressing its front; playback will then start automatically.

– The number indicator shows how many tracks are on the CD; when a track has been played its number disappears.



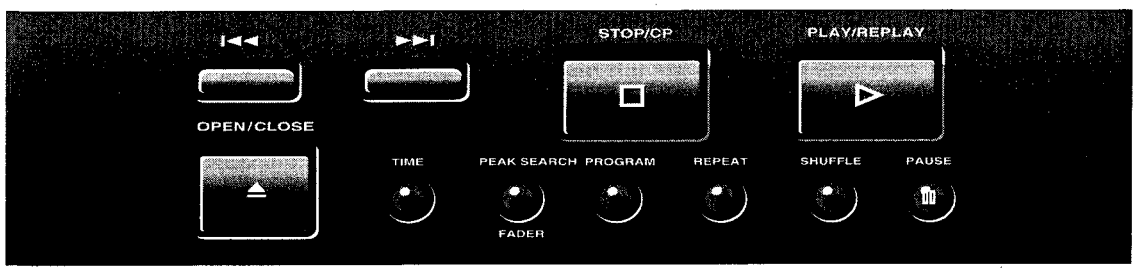

– The track being played is always shown under TRACK and its elapsed playing time is shown under TRACK TIME.



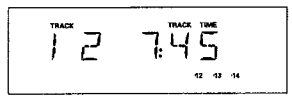

– Play will stop after the last track.

- Press POWER ON/STANDBY ***1*** to switch the player off.

You can interrupt playback by pressing PAUSE ***15*** ; PAUSE then lights up.
Press PLAY/REPLAY ***6*** to restart; if you *first* press PAUSE again and *then* PLAY/REPLAY, the current track starts again from the beginning.
You can also restart play by pressing SCAN ***16*** *(on the remote control)* or SHUFFLE ***13***.
If you press PLAY/REPLAY *during play*, the current track starts again from the beginning.
You can stop playback by pressing STOP/CP ***5*** or OPEN/CLOSE ***7***.




## SELECTING ANOTHER TRACK (|◄◄ ►►|)




- Press ►►| ***4*** or |◄◄ ***4*** *(less than 0.5 seconds)* untill the desired track number appears under TRACK.

– The music stops and a moment later the selected track begins to play.

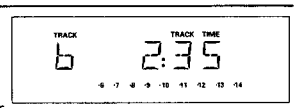
You can also enter the number by using the 1-0 digit keys ***18*** *(on the remote control)*.
Numbers consisting of two figures must be keyed in ***within 2 seconds***.

## SEARCHING FOR A PASSAGE (|◄◄ ►►|)

- Hold |◄◄ ***4*** down to search backwards to the beginning.
- Hold ►►| ***4*** down to search forwards to the end.

The searching speed is determined by how long a key is pressed:
– the first 2 seconds fairly slowly, with sound;
– then at the maximum speed, with no sound.
If you reach the end of the last track and release ►►|, play will resume a few seconds before the end of the CD.

## STARTING WITH A PARTICULAR TRACK (|◄◄ ►►|)




- Press ►►| ***4*** or |◄◄ ***4*** *(less than 0.5 seconds)* untill the desired track number appears under TRACK.
- Press PLAY/REPLAY ***6***.

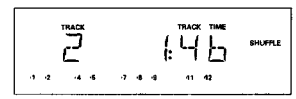
– Play starts from the selected track.

You can also enter the number by using the 1-0 digit keys ***18*** *(on the remote control)*.
Numbers consisting of two figures must be keyed in ***within 2 seconds***.
In this case you don't have to press PLAY/-REPLAY; play will automatically start from the selected track.

## PLAYING THE CD IN RANDOM ORDER (SHUFFLE)

- Press SHUFFLE ***13*** before or during play.

– If the CD compartment was open, it will now close.




– SHUFFLE lights up and all the tracks are now played in a random order.

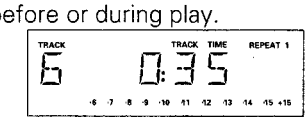
- Press SHUFFLE again if you wish to return to normal play.

If you press |◄◄ ***4***, you will return to a track which has already been played.
If you press ►►| ***4***, you will select any one of the following tracks.
If you press REPEAT ***12***, *twice* the tracks will be repeated in a different order each time, although the first track played will always be the same.

## REPEATING PLAY (REPEAT)

**Repeating a track:**

- Press REPEAT ***12*** before or during play.

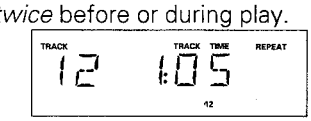



– REPEAT 1 lights up; the track will now be repeated continuously.

- Press REPEAT *twice* to stop the track being repeated.

**Repeating the CD:**

- Press REPEAT ***12*** *twice* before or during play.



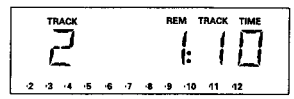

– REPEAT lights up; the CD will now be repeated continuously.

- Press REPEAT again to stop the CD being repeated.

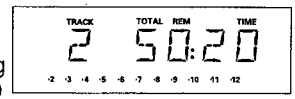
English

## CALLING UP OTHER TIME INFORMATION (TIME)

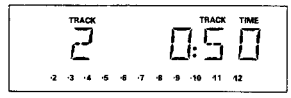
- Press TIME ***8*** whenever you want to know the remaining playing time of the track being played (REM TRACK TIME).




- Press TIME again if you wish to know the remaining playing time of the entire CD (TOTAL REM TIME).

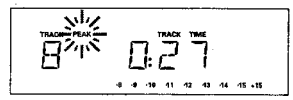



- Press TIME again if you wish to return to the elapsed playing time indication of the current track (TRACK TIME).




## SEARCHING THE LOUDEST PASSAGE (PEAK SEARCH)

- *In STOP mode,* press PEAK SEARCH ***9***.
- PEAK starts flashing and the CD or the programme will now be scanned for the loudest passage (the peak).

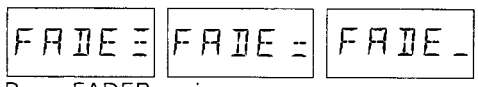



- The display shows the track being scanned and its elapsed playing time.
- When the loudest passage has been found it will be repeated continuously (from 2 seconds before the peak until 2 seconds after the peak)

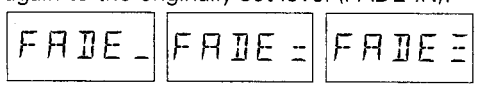
- You can now adjust your recording device.
- You can stop the search by pressing STOP/CP ***5*** or OPEN/CLOSE ***7***; if you press PLAY/REPLAY ***6***, the CD or the programme will be played from the beginning.

## SETTING THE FADE- IN AND FADE-OUT TIME (FADER)

- *During play* press FADER ***9***.
- The sound level will now gradually decrease (FADE OUT), after which the player will go into the PAUSE mode.



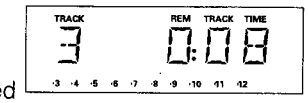

- Press FADER again.
- Play continues and the sound level will increase again to the originally set level (FADE IN).




***NOTE!***
*The following functions can only be operated using the remote control.*

## SCANNING A CD (SCAN)

- Press SCAN ***16*** before or during play.
- If the CD compartment was open, it will now close.
- *SCAN* lights up for 2 seconds and the first 10 seconds of each track are played in turn; 10 seconds are counted down each time under REM TRACK TIME.



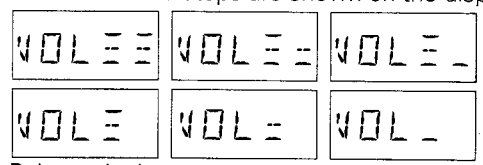

- When the player reaches a track which you wish to hear in full, press SCAN again or PLAY/REPLAY ***6***.

## ADJUSTING THE SOUND LEVEL (– VOLUME +)

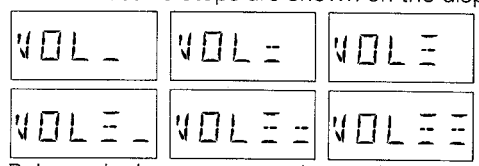
***NOTE!***

- Use the – VOLUME + keys only if the player is connected to an amplifier or HiFi system *without* its own remote control.
- The setting chosen with – VOLUME + will be cancelled when the player is switched off.

- Hold – VOLUME ***17*** pressed down.
- *VOL* lights up; the output signal from the player will now decrease gradually.
- The successive steps are shown on the display.




- Release the key as soon as the required sound level is obtained.
- Hold VOLUME + ***17*** pressed down.
- *VOL* lights up; the output signal will now increase again gradually to the maximum level.
- The successive steps are shown on the display.



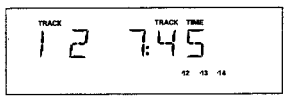

- Release the key as soon as the required sound level is obtained.

English

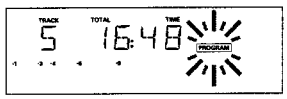
## STORING A PROGRAMME (PROGRAM and |◄◄ ►►|)

You can store 30 tracks from each CD in any required sequence in a programme.
*FULL* lights up if you exceed the maximum of 30 tracks.
The 1-0 digit keys ***18*** on the remote control *cannot* be used to select tracks when compiling a programme.

- In STOP mode, press PROGRAM ***10*** to open the memory.
- *PROGR* lights up and PROGRAM starts flashing.
- Press ►►| or |◄◄ ***4*** *(less than 0.5 seconds)* untill the first desired track number appears under TRACK.




- Press PROGRAM ***10*** again.
- The track number has now been stored in the player's memory.
- Select the other track numbers required and store each track by pressing PROGRAM.
- The number of tracks and the playing time of your programme will be shown under TRACK and TOTAL TIME.




- The track number indicator always shows which numbers have been stored.

## PLAYING THE PROGRAMME (PLAY/REPLAY)

- Press PLAY/REPLAY ***6***.
- Playback starts with the first number of the programme.

All keys (except PROGRAM ***10*** and PEAK SEARCH ***9***) can be used during programmed play.
Search for a particular passage is only possible within the track being played.

## ERASING A PROGRAMME (STOP/CP or OPEN/CLOSE)

**During play:**
- Press OPEN/CLOSE ***7*** or STOP/CP ***5*** *(twice)*.

**In STOP mode:**
- Press OPEN/CLOSE ***7*** or STOP/CP ***5*** *(once)*.

- The programme has now been erased.

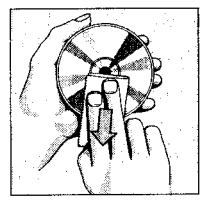
# (GB) ADDITIONAL INFORMATION

English

## MAINTENANCE

### The CDs

- Never write on the printed side of a CD.
- Do not attach any stickers to the CD.
- Keep the shiny surface of the of the disc clean.
  Use a soft lint-free cloth and always wipe the disc in a straight line from centre to edge.



- Never use cleaning agents for conventional records.
- Detergents or abrasive cleaning agents should not be used either.

### The player

- A chamois leather slightly moistened with water is sufficient for cleaning the player.
- Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.

## RECYCLING

Please observe the local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

1. All redundant packaging material has been omitted. We have done our utmost to make the packaging easy separable into three mono-materials:
   - cardboard (box)
   - expandable polystyrene (buffer)
   - polyethylene (bags, protective foam sheet)
2. Your set consists of materials which can be recycled if disassembled by a specialized company.
3. Do not dispose of exhausted batteries with your household waste.

## TECHNICAL DATA

### Typical Audio Performance

Frequency range:.....20 Hz - 20 kHz
Amplitude linearity: .....0.3 dB (20 Hz - 20 kHz)
Phase linearity:.....4° (20 Hz - 20 kHz)
Dynamic range: .....90 dB (1kHz)
Signal-to-noise ratio:.....90 dB (1 kHz,)
Channel separation:.....90 dB (1kHz)
Total harmonic distortion:.....0.003% (1kHz)
Audio output level: .....2 Vrms
Impedance PHONES socket ***(CD 46 only)***:
.....30 - 600 ohms

### Power supply

Mains voltage and frequency:
see the type plate on the rear of the player
Power consumption:.....< 10 W approx.
Safety requirements:.....IEC 65

### Cabinet

Material/finish:.....metal and polystyrene
Dimensions (w x h x d): .....435 x 90 x 300 mm
Weight:.....4 kg approx.

***Subject to modification***

***This Compact Disc player complies with radio interference requirements as laid down in EC regulations.***

# TROUBLESHOOTING (GB)



If a fault occurs, run through the points listed below before taking your player for repair.
If the fault remains, try to clear it by switching the player off and on again. If this also fails to help, consult your dealer.
***Under no circumstances should you repair the player yourself as this will invalidate the guarantee!***

| SYMPTOM | POSSIBLE CAUSE | REMEDY |
|---|---|---|
| – Playback of the CD does not start or interruption of playback. | – The CD has been loaded upside down.<br>– No CD inserted.<br>– The CD is badly scratched or dirty.<br>– Moisture condensation on the lens. | • Reload the CD, label side up.<br>• Insert a CD, label side up.<br>• Clean the CD with a soft, lint-free cloth.<br>• Leave the CD player in a warm environment until the moisture evaporates. |
| – Sound skips (at the same part). | – The CD is dirty. | • Clean the CD with a soft, lint-free cloth. |
| – The CD skips tracks. | – The CD is damaged or dirty. | • Replace or clean the CD. |
| – Playback does not start from the first track. | – PROGRAM or SHUFFLE activated. | • Switch off SHUFFLE or clear programme. |
| – No sound or bad sound. | – Loose or wrong connections.<br>– Strong magnetic fields near the CD player. | • Check connections.<br>• Find another place for the unit or change connections. |
| – No sound or bad sound on headphones ***(CD 46 only)***. | – Level control set to – position.<br>– Headphones plug is dirty. | • Set level control<br>• Clean plug. |
| – Remote control does not function. | – Batteries are empty. | • Replace the batteries. |
| – Remote control commands are not properly received. | – The distance between remote control and CD player is larger than 10 metres. | • Reduce the distance between remote control and CD player. |